

**IN THE CLAIMS:**

Claims 1 – 38. (cancelled)

39. (Currently amended) A method of enhancing memory, comprising: orally administering to a subject in need thereof an effective amount of a uridine phosphate selected from the group consisting of uridine 5'-monophosphate, uridine 5'-diphosphate, and uridine 5'-triphosphate.

40. (Cancelled)

41. (Cancelled)

42. (Cancelled)

43. (Previously amended) The method of claim 39 wherein the administration of an effective amount of uridine phosphate does not include the administration of cytidine.

44. (Previously amended) The method of claim 39 wherein the effective amount of uridine phosphate is administered at least once a day.

45. (Cancelled)

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46. (Previously amended) The method of claim 39 which further comprises administering a therapeutically effective dose of at least one additional compound selected from the group consisting of choline or a choline precursor.
47. (Previously amended) The method according to claim 46 wherein said at least one additional compound is choline, a choline salt, CDP-choline, lecithin, lysolecithin, phosphatidylcholine, phosphatidylethanolamine, sphingomyelin, glycerophosphatidylcholine, or mixtures thereof.
48. (Original) The method according to claim 47 wherein said choline salt is selected from the group consisting of choline chloride, choline bitartrate, choline stearate, or mixtures thereof.
49. (Previously amended) The method of claim 45, further comprising administering a therapeutically effective dose of a uridine phosphorylase inhibitor, uridine secretion inhibiting compound, uridine renal transport competitor, or combinations thereof.
50. (Cancelled)
51. (Newly added) A method of increasing brain cytidine levels, comprising: administering to a subject in need thereof a composition consisting essentially of an effective amount of a uridine phosphate selected from the group consisting of uridine 5'-monophosphate, uridine 5'-diphosphate, and uridine 5'-triphosphate.

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52. (Newly added) The method of claim 1, wherein the subject is a mammal.
53. (Newly added) The method of claim 51, wherein the mammal is a human.